STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION

MISSOURI STATE OPERATING PERMIT

GENERAL PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.: MO-R203000

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

All Outfalls

Ferrous and Nonferrous foundries, casting, extrusion, rolling, galvanizing and finishing, structural steel production, light metal fabrication, and electrical equipment manufacturing.

(For SIC Codes see Page 2)

This permit authorizes only wastewater, including storm waters, discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

March 5, 2004
Effective Date

Stephen M. Mahfood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

March 4, 2009
Expiration Date

Jim Hull, Director of Staff, Clean Water Commission

APPLICABILITY

1. This permit authorizes the discharge of storm water runoff from facilities having the following Standard Industrial Classification (SIC) codes. Other SIC codes may also be covered:

2514	Metal household furniture
2522	Furniture, office
2542	Store shelving
33xx	Primary and metal industry
3411-3433	Cans to heating equipment
3441	Fabricated structural metal
3442-3499	Metal doors to unclassified metal products
347x	Cooling and engraving
35xx	Industrial and commercial machinery
36xx	Electronic equipment
37xx	Transportation equipment (excluding 3731 and 3732)
3731	Ship and barge building
3732	Boat building (metal)
38xx	Measuring and controlling instruments

2. Holders of current individual State Operating permits who desire to apply for inclusion under this general permit should contract the department for application requirements.

3. This permit does not authorize the discharge of waters other than storm waters.

4. If at any time the Missouri Department of Natural Resources determines that the quality of waters of the state may be better protected by requiring the owner to apply for an individual State Operating Permit, the department may do so.

5. If at any time the holder of a general permit should desire to apply for an individual State Operating permit, the owner may do so.

6. This permit **does not apply** to storm water discharges:

   (a) Within 1,000 feet of streams identified as a losing stream*,
   (b) Within 1,000 feet of streams or lakes listed as an outstanding national or state resource water*,
   (c) Within 1,000 feet of reservoirs or lakes used for public drinking water supplies (class L1)*,
   (d) Within 1,000 feet of streams, lakes, or reservoirs identified as critical habitat for endangered species,
   (e) Within 100 feet of a permanent stream (class P)* or major reservoir (class L2)*,
   (f) Within two stream miles upstream of biocriteria reference locations*, or
   (g) Where discharge is to a sinkhole or other direct conduit to groundwater.

7. Facilities that discharge all wastewaters directly to a combined sewer system are exempt from permit requirements, as are those facilities which discharge all storm water to a POTW.

8. Facilities that design a no-discharge system are required to obtain a “no-discharge” permit in accordance with 10 CSR 20-6.015.

* Identified or described in 10 CSR 20, Chapter 7. Official copies of these regulations are available for purchase from the Secretary of State by calling (573) 751-4015.

REQUIREMENTS

Note: These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

1. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
   (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
   (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
   (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
   (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
   (e) There shall be no significant human health hazard from incidental contact with the water;
   (f) There shall be no acute toxicity to livestock or wildlife watering;
   (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
   (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

2. All paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) shall be stored so that these materials are not exposed to storm water. Spill prevention, control, and/or management shall be provided sufficient to prevent any spills of these pollutants from entering a water of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.

3. Collection facilities shall be provided on-site, and arrangement made for proper disposal of waste products, including but not limited to petroleum waste products and solvents.

4. Good housekeeping practices shall be maintained on the site to keep solid waste from entry into waters of the state.

5. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.

6. Substances regulated by federal law under the Resources Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used for maintenance, cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.

7. An individual shall be designated by the permittee as responsible for environmental matters. Staff of the permitted facility shall inspect, on each workday, any structures that function to prevent pollution of storm water or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective.

REQUIREMENTS (continued)

8. An annual operating report for October 1st through September 30st must be submitted by October 28th of each year (notwithstanding any reporting requirements contained in the attached "Standard Conditions"). The report shall detail any unusual occurrences such as spills, tank failures or overflows, ruptured piping, fishkills, fire fighting activities, or other upsets which resulted in any loss of product. Product includes, but is not limited to, fuels, oil, and paints. The report shall also detail any remedial work undertaken to recover product or clean up the site. The reports must also indicate if nothing unusual has occurred.

OPTIONS

The permittee has two (2) options to comply with this permit. They are:

Option #1
Development of a Storm Water Pollution Prevention Plan (SWPPP). If this option is chosen, the department may still require monitoring at its discretion. The SWPPP must be kept on-site and should not be sent to DNR unless specifically requested. The permittee shall select, install, use, operate, and maintain the Best Management Practices prescribed in the SWPPP in accordance with the concepts and methods described in the following document:

Storm Water Management For Industrial Activities, Developing Pollution Prevention Plans and Best Management Activities, (Document number EPA 832-R-92-006) published by the United States Environmental Protection Agency (USEPA) in September 1992.

The SWPPP must include the following:
(1) An assessment of all storm water discharges associated with the facility. This must include a list of potential contaminants and an annual estimate of amounts that will be used in the described activities.
(2) A listing of Best Management Practices (BMPs) and a narrative explaining how BMPs will be implemented to control and minimize the amount of potential contaminants that may enter storm water.
(3) A schedule for implementing the BMPs.
(4) The SWPPP must include a schedule for a monthly site inspection and a brief written report. The inspections must include observation and evaluation of BMP effectiveness, deficiencies, and corrective measures that will be taken. Deficiencies must be corrected within seven days and the WPCP must be notified by letter. Any corrective measure that necessitates major construction may also need a construction permit.
(5) Inspection reports must be kept on site with the SWPPP. These must be made available to DNR personnel upon request.
(6) A provision for providing training to all personnel involved in material handling and storage, and housekeeping of areas having materials exposed to stormwater. Proof of training shall be submitted on request of DNR.
(7) Permittee must inform WPCP of their selection of this option within 60 days of receipt of their permit.
(8) Implementation of the SWPPP must begin no later than 6 months after receipt of the permit.

Option #2
Compliance with the attached effluent limits on Page 6 of 6 of this document.

Important, please note the permittee has 60 days from receipt of their permit to inform the Department of Natural Resources in writing of which one of the two options they have chosen. This letter must be sent to NPDES Permit Section, Water Pollution Control Program (WPCP), P.O. Box 176, Jefferson City, MO 65102-0176. An attachment has been included for the permittees use.

If the WPCP receives no written response from the permittee regarding which option is desired, the permittee will be required to meet the effluent limits in Option #2.

DUTY OF COMPLIANCE

The permittee shall comply with all conditions of this general permit. Any noncompliance with this general permit constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6.200. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.

TERMINATION OF PERMIT

If activities covered by this permit have ceased and this permit no longer applies, the permittee shall request termination of this permit. The permittee shall submit form H, Termination of a General Permit.

PERMIT TRANSFER

This permit may be transferred to a new owner by submitting an "Application for Transfer of Operating Permit" signed by the seller and buyer of the facility, along with the appropriate modification fee. The new owner must also submit, with the application, an updated Operation & Maintenance Plan for review.

PERMIT RENEWAL REQUIREMENTS

Unless this permit is terminated, the permittee shall submit an application for the renewal of this permit no later than six (6) months prior to the permit's expiration date.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
All Outfalls Flow	MGD	*		*	once/quarter**	24 hr. estimate
Precipitation	inches	*		*	daily	record
Oil and Grease	mg/L	15.0		10.0	once/quarter**	grab
Chemicals currently stored outside or in the last three years (Note 1)	mg/L	*		*	once/quarter**	grab
pH - Units	SU	***		***	once/quarter**	grab
Total Suspended Solids	mg/L	60		30	once/quarter**	grab
Copper, Total Recoverable	µg/L	43		43	once/quarter**	grab
Iron, Total Recoverable	µg/L	1000		1000	once/quarter**	grab
Zinc, Total Recoverable	µg/L	371		371	once/quarter**	grab
Hardness	mg/L	*		*	once/quarter**	grab
Color****					once/quarter**	grab

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE _____. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

B. STANDARD CONDITIONS

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Part I STANDARD CONDITIONS DATED October 1, 1980, AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.
** Permittee shall collect and analyze one sample per quarter in March, June, September, and December, taken during a rainfall which exceeds 0.1 inches and results in a discharge, and also at any time at the request of the department.
*** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
**** Description of the visual appearance of the effluent. For example: clear, green, black, etc.

Note 1 – These analyses need only be performed if **Option #2** is chosen. The permittee shall collect and analyze one representative sample per quarter taken during a rainfall, which exceeds 0.1 inches and results in a discharge. The sample shall be analyzed for chemicals listed in 40 CFR 122 Appendix D (see Attachment 1) which are currently or have been stored outside in the last three years in open or unsecured containers, loaded or unloaded, and exposed to storm water. A secure container shall be deemed to be a container with a lid, which has never been opened since it was originally sealed.

ATTACHMENT 1

Appendix D, To Part 122 - NPDES Permit Application Testing Requirements (122.21)

Table II - Organic Toxic Pollutants In Each Of Four Fractions In Analysis By Gas Chromatography/Mass Spectroscopy (GS/MS).

Volatiles

1	Vacrolein
2	Vacrylonitrile
3	Vbenzene
5	Vbromoform
6	Vcarbon tetrechloride
7	Vchlorobenzene
8	Vchlorodibromomethane
9	Vchloroethane
10	V2-chloroethylvinyl ether
11	Vchloroform
12	Vdichlorobromomethane
14	V1,1-dichloroethane
15	V1,2-dichloroethane
16	V1,1-dichloroethylene
17	V1,2-dichloropropane
18	V1,3-dichloropropylene
19	Vethylbenzene
20	Vmethyl bromide
21	Vmethyl chloride
22	Vmethylene chloride
23	V1,1,2,2-tetrachloroethane
24	Vtetrachloroethylene
25	Vtoluene
26	V1,2-trans-dichloroethylene
27	V1,1,1-trichloroethane
28	V1,1,2-trichloroethane
29	Vtrichloroethylene
31	Vvinyl chloride

Acid Compounds

1A	2-chlorophenol
2A	2,4-dichlorophenol
3A	2,4-dimethylphenol
4A	4,6-dinitro-o-cresol
5A	2,4 dinitrophenol
6A	2-nitrophenol
7A	4-nitrophenol
8A	p-chloro-m-cresol
9A	pentachlorophenol
10A	phenol
11A	2,4,6-trichlorophenol

Base/Neutral

1B	acenaphthene
2B	acenaphthylene
3B	anthracene
4B	benzidine
5B	benzo(a)anthracene
6B	benzo(a)pyrene
7B	3,4-benzofluoranthene
8B	benzo(ghi)perylene
9B	benzo(k)fluoranthene
10B	bis(2-chloroethoxy)methane
11B	bis(2-chloroethyl)ether
12B	bis(2-chloroisopropyl)ether
13B	bis(2-ethylhexyl)phthalate
14B	4-bromophenyl phenyl ether
15B	butylbenzyl phthalate
16B	2-chloronaphthalene
17B	4-chlorophenyl phenyl ehter
18B	chrysene
19B	dibenzo(a,h)anthracene
20B	1,2-dichlorobenzene
21B	1,3-dichlorobenzene
22B	1,4-dichlorobenzene
23B	3,3'-dichlorobenzidine
24B	diethyl phthalate
25B	dimethyl phthalate
26B	di-n-butyl phthalate
27B	2,4-dinitrotoluene
28B	2,6-dinitrotoluene
29B	di-n-octyl phthalate
30B	1,2-diphenylhydrazine (as azobenzene)
31B	fluroranthene
32B	fluorene
33B	hexachlorobenzene
34B	hexachlorobutadiene
35B	hexachlorocyclopentadiene
36B	hexachloroethane
37B	indeno(1,2,3-cd)pyrene
38B	isophorone
39B	napthalene
40B	nitrobenzene
41B	N-nitrosodimethylamine
42B	N-nitrosodi-n-propylamine
43B	N-nitrosodiphenylamine
44B	phenanthrene
45B	pyrene
46B	1,2,4-trichlorobenzene

(continued on next page)

Pesticides

Nonconventional

Existing

1 Paldrin

Present

2 Palpha-BHC
3 Pbeta-BHC
4 Pgamma-BHC
5 Pdelta-BHC
6 Pchlordane
7 P4,4'-DDT
8 P4,4'-DDE
9 P4,4'-DDD
10 Pdieldrin
11 Palpha-endosulfan
12 Pbeta-endosulfan
13 Pendosulfan sulfate
14 Pendrin
15 Pendrin aldehyde
16 Pheptachlor
17 Pheptachlor epoxide
18 PPCB-1242
19 PPCB-1254
20 PPCB-1221
21 PPCB-1232
22 PPCB-1248
23 PPCB-1260
24 PPCB-1016
25 Ptoxaphene

Table III - Other Toxic Pollutants (Metals and Cyanide) and Total Phenols

Antimony, Total
Arsenic, Total
Beryllium, Total
Cadmium, Total
Chromium, Total
Copper, Total
Lead, Total
Mercury, Total
Nickel, Total
Selenium, Total
Silver, Total
Thallium, Total
Zinc, Total
Cyanide, Total
Phenols, Total

Table IV - Conventional and Pollutants Required to be Tested by Dischargers if Expected to be Present

Bromide
Chlorine, Total Residual
Color
Fecal Coliform
Fluoride
Nitrate-Nitrite
Nitrogen, Total Organic
Oil and Grease
Phosphorus, Total
Radioactivity
Sulfate
Sulfide
Sulfite
Surfactants
Aluminum, Total
Barium, Total
Boron, Total
Cobalt, Total
Iron, Total
Magnesium, Total
Molybdenum, Total
Manganese, Total
Tin, Total
Titanium, Total

Table V - Toxic Pollutants and Hazardous Substances Required To Be Identified by Existing Dischargers if Expected To Be Present

Toxic Pollutants

Asbestos

Hazardous Substances

Acetaldehyde
Allyl alcohol
Allyl chloride
Amyl acetate
Aniline
Benzonitrile
Benzyl chloride
Butyl acetate
Butylamine
Captan
Carbaryl
Carbofuran

(continued on next page)

Table V - (continued)

Hazardous Substances (continued)

Carbon disulfide
Chlorpyrifos
Coumaphos
Cresol
Crotonaldehyde
Cyclohexane
2,4-D(2,4-Dichlorophenoxy acetic acid)
acid)
Diazinon
Dicamba
Dichlobenil
Dichlone
2,2-Dichloropropionic acid
dodecylbenzenesulfonate
Dichlorvos
Diethyl amine
Dimethyl amine
Dintrobenzene
Diquat
Disulfoton
Diuron
Epichlorohydrin
Ethion
Ethylene diamine
Ethylene dibromide
Formaldehyde
Furfural
Guthion
Isoprene
Isopropanolamine Dodecylbenzenesulfonate
Kelthane
Kepone
Malathion
Mercaptodimethur
Methoxychlor
Methyl mercaptan
Methyl methacrylate
Methyl parathion
Mevinphos
Mexacarbate
Monoethyl amine
Monomethyl amine
Naled
Napthenic acid
Nitrotoluene
Parathion
Phenolsulfanate
Phosgene
Propargite
Propylene oxide
Pyrethrins
Quinoline
Resorcinol
Strontium
Strychnine
Styrene
2,4,5-T(2,4,5-Trichlorophenoxy acetic
TDE(Tetrachlorodiphenylethane)
2,4,5-TP [2-(2,4,5-Trichlorophenoxy)
propanoic acid]
Trichlorofan
Triethanolamine
Triethylamine
Trimethylamine
Uranium
Vanadium
Vinyl acetate
Xylene
Xylenol
Zirconium

THIS FORM MUST BE RETURNED WITHIN 60 DAYS OF RECEIPT OF PERMIT ISSUANCE

ATTACHMENT 2

Send to:

NPDES Permit Section
Water Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102

Dear Sir/Madam:

This is to inform you that we have chosen the option indicated to comply with this permit:

1. _____ Development of a storm water pollution prevention plan.

2. _____ Compliance with, and quarterly testing of the required effluent limits on page 6 of 6.

Facility Name: _____

Permit No.:

If the WPCP receives no written response from the permittee regarding which option is desired, the permittee will be assigned to the quarterly sampling option (Option #2).